

WHAT IS CLAIMED IS:

1. An exhaust heat recovery system for recovering heat otherwise
dissipated in a condenser of a steam turbine facility, to obtain warm water,
5 wherein a heat channel of a compression type heat pump is connected
with a cooling medium side channel of the condenser, the compression type heat pump
directly recovering the heat from the steam turbine facility.
2. An exhaust heat recovery system according to claim 1, wherein carbon
10 dioxide is used as a refrigerant for the compression type heat pump.
3. An exhaust heat recovery system according to claim 1, wherein when
heat exchange proceeds in the condenser between steam led from a steam turbine and a
refrigerant in the compression type heat pump, a heat transfer mechanism provided at
15 a refrigerant side utilizes boiling heat transfer.
4. An exhaust heat recovery system according to claim 2, wherein when
heat exchange proceeds in the condenser between steam led from a steam turbine and a
refrigerant in the compression type heat pump, a heat transfer mechanism provided at
20 a refrigerant side utilizes boiling heat transfer.